

Millimolar extinction coefficients for HbA₀ oxy (—), deoxy (----), and NO (.....) in PBS buffer pH 7.4 at 20°C

Table 1. Millimolar extinction coefficients (per heme basis) of nitrosyl and other derivatives of hemoglobin and myoglobin in 0.1 M sodium phosphate buffer, pH 7.0 at 20°C. The extinction coefficients for the nitrosyl derivatives are from the authors' laboratories. The other coefficients are taken from Apton and Brunori [21]

Species	Soret						Visible	
	γ-band			β-band			α-band	
	λ (nm)	ε	λ (nm)	ε	λ (nm)	ε	λ (nm)	ε
MbNO	420	132	547	11.8	579	10.5		
Horse heart MbNO	422	140						
Sperm whale HbNO	417	126	544	11.4	572	11.4		
Human Mb (deoxy)	435	121						
Horse heart Mb (deoxy)	434	115						
Sperm whale Hb (deoxy)	430	133						
Human MbO ₂			542	13.9	580	14.4		
Horse heart MbO ₂	418	128	543	13.6	581	14.6		
Sperm whale HbO ₂	415	125	541	13.8	577	14.6		
Human MbCO	424	207						
Horse heart MbCO	423	187						
Sperm whale HbCO	419	191						
Human MbCO			540	15.4	579	13.9		
Horse heart MbCO			542	14.0	579	12.2		
Sperm whale HbCO			540	13.4	569	13.4		

